

FIG. 1

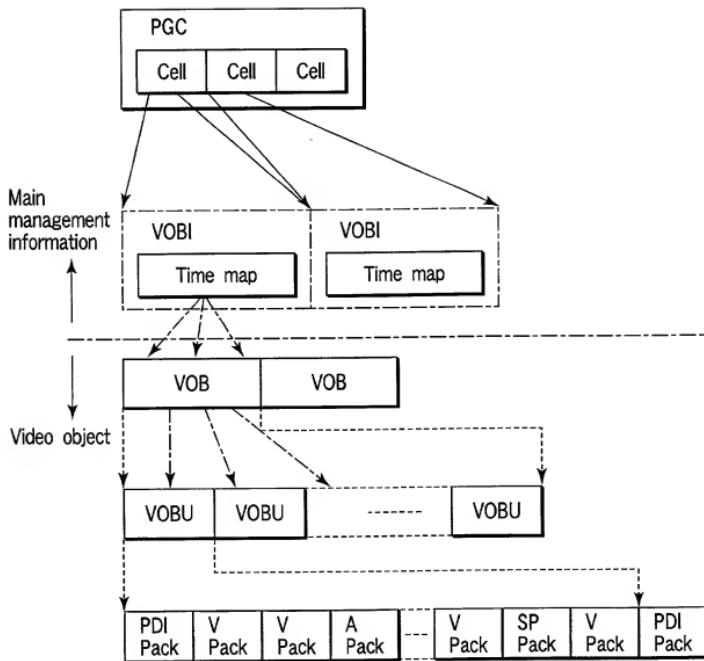


FIG. 2

FIG. 3A

RDI_GI	Real time data and general information
DCI_CCI	Display control information and copy control information
MNFI	Manufacturer's information

FIG. 3B

Reserved	
VOBU_S_RTM	VOBU presentation start time
Reserved	
VOBU_REC_TM	Recording time of VOBU

FIG. 3C

DCI : display control information			
Aspect ratio 4b	Subtitling mode 2b	Reserved 1b	Film camera mode 1b

FIG. 3D

CCI : copy control information			
CGMS 2b	APSTB 2b	Source 1b	Reserved 3b

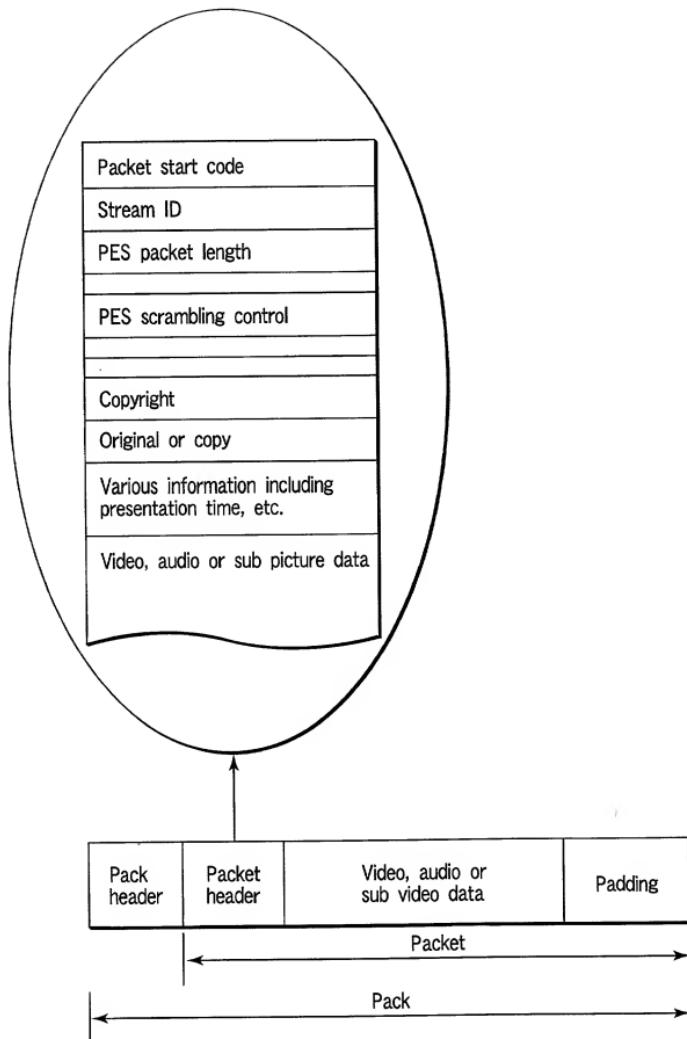


FIG. 4

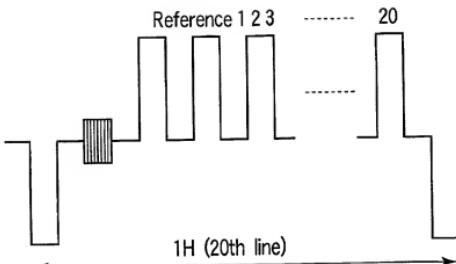


FIG. 5A

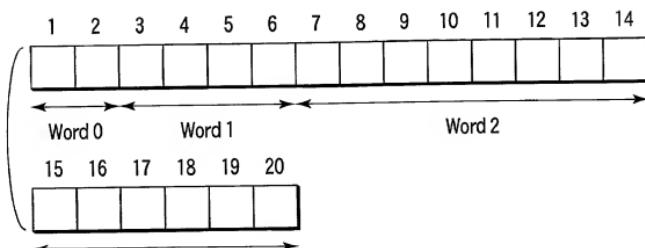


FIG. 5B

CGMS 7, 8	Definition	Recording rule
0, 0	Copying authorized unconditionally	CGMS of recording medium is recorded as (0, 0)
0, 1	Not in use	-----
1, 0	Copying authorized in a generation	CGMS of recording medium is recorded as (1, 1)
1, 1	Copying prohibited	Nothing is recorded

FIG. 5C

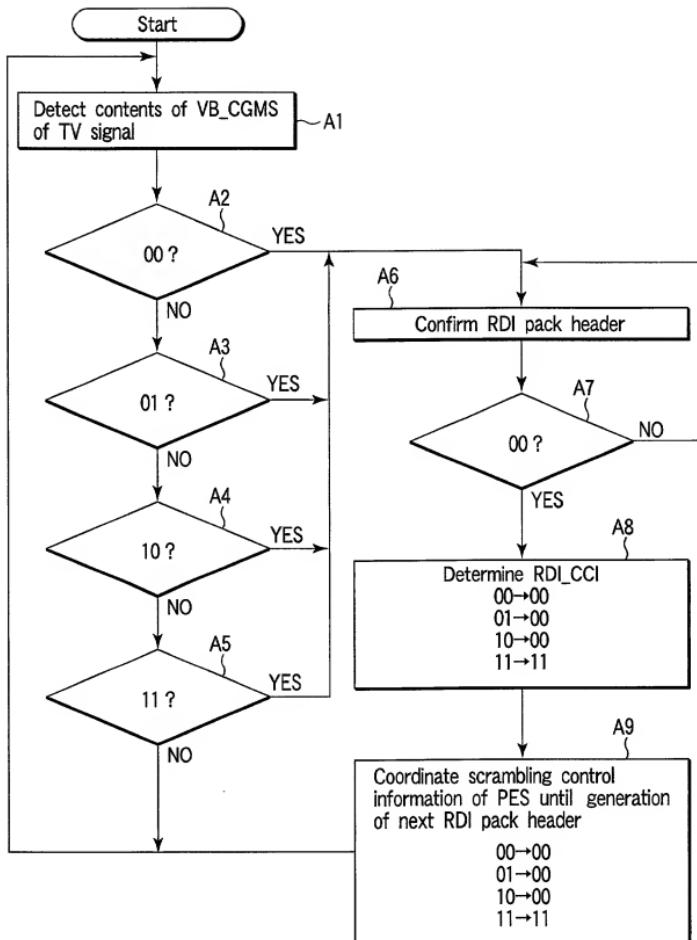


FIG. 6

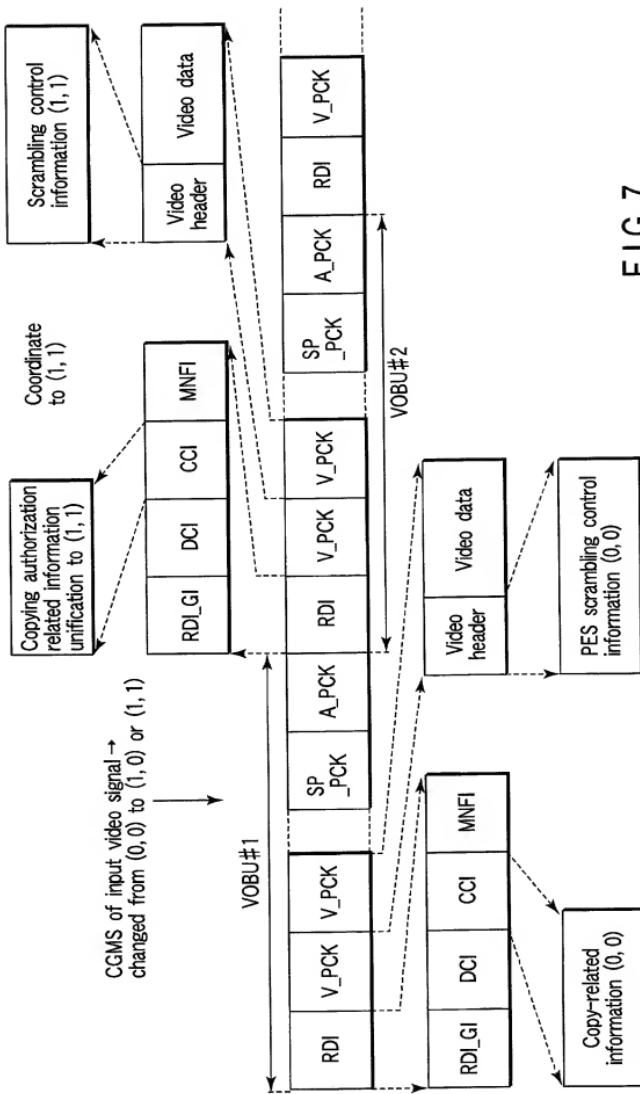


FIG. 7

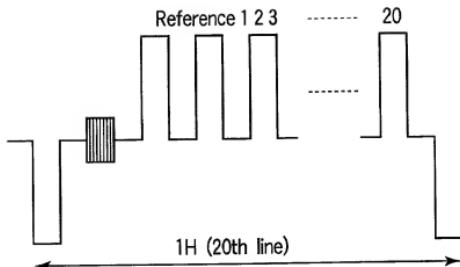


FIG. 8A

10082256, 022602

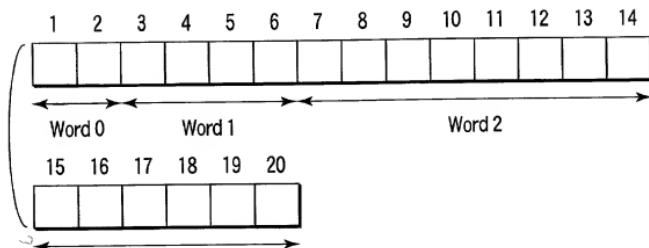


FIG. 8B

Word 0	Definition
0, 0	No signal and information for image with aspect ratio of 4:3
0, 1	Squeeze signal for image with aspect ratio of 16:9
1, 0	Letter box signal with aspect ratio of 14:3
1, 1	Not in use at the moment

FIG. 8C

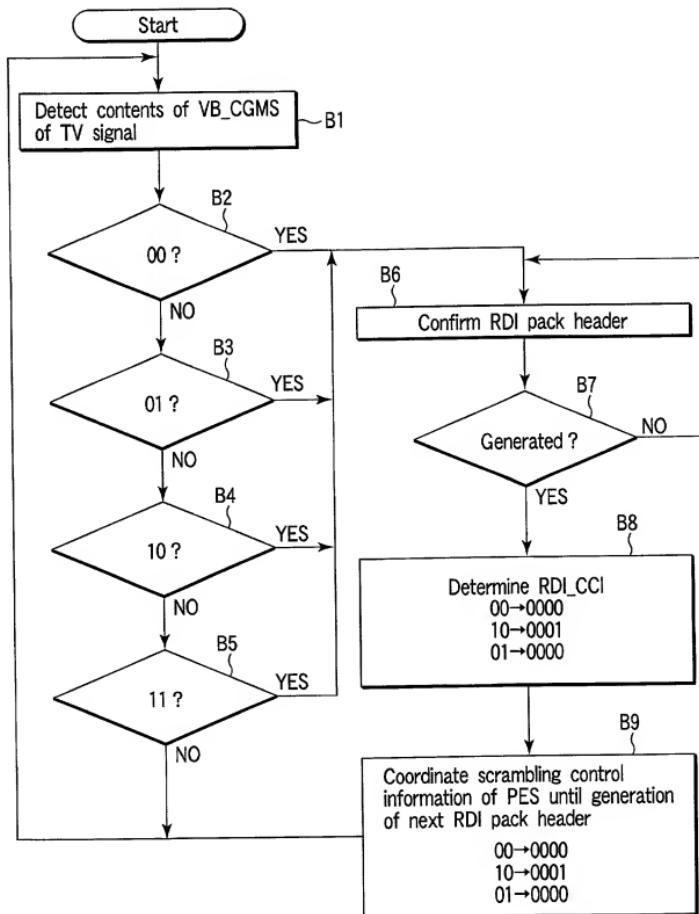


FIG. 9

1903256-02500

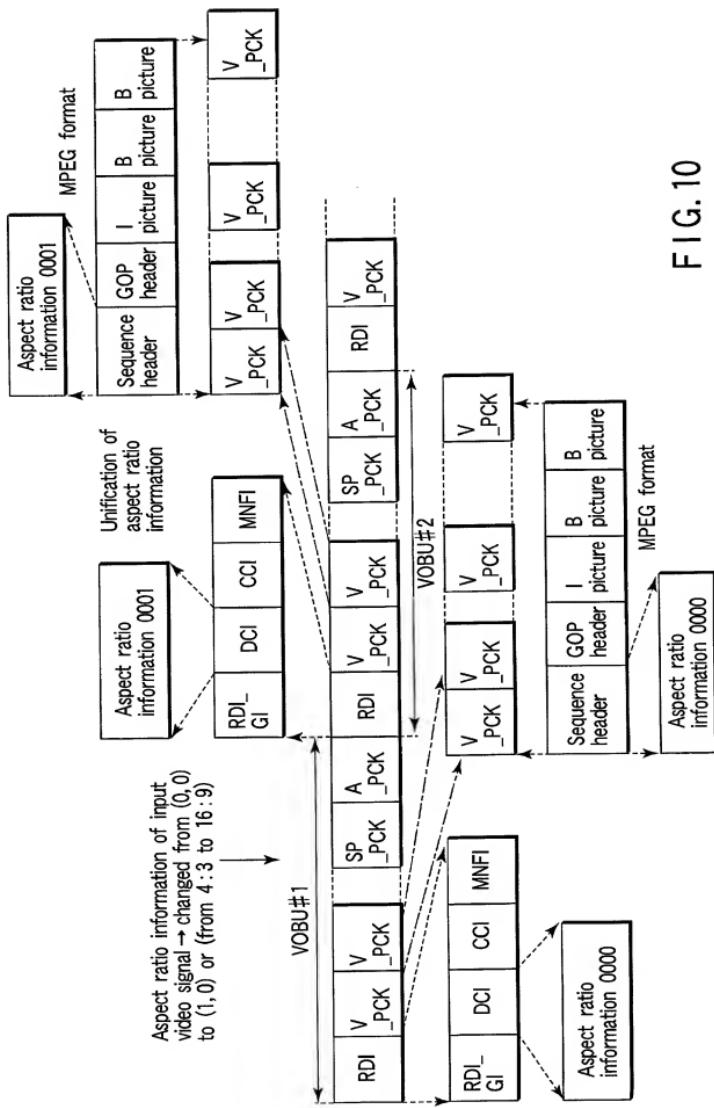


FIG. 10

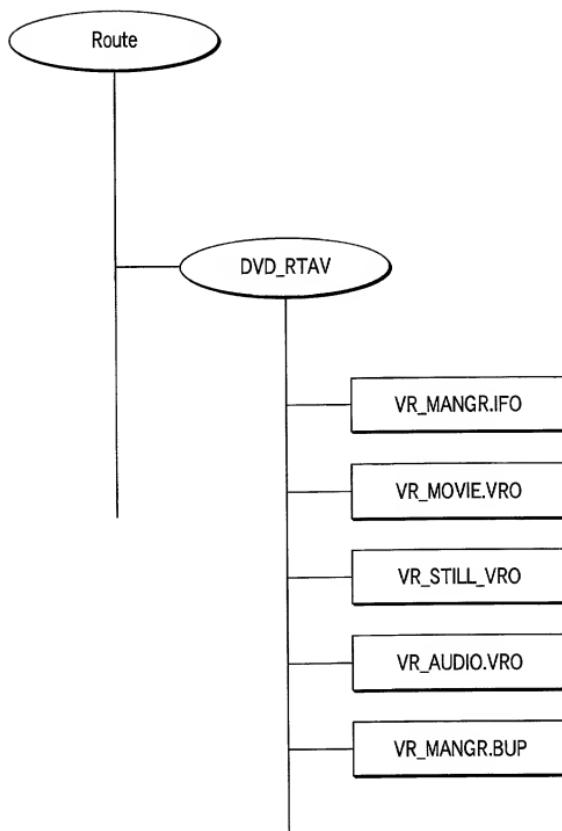
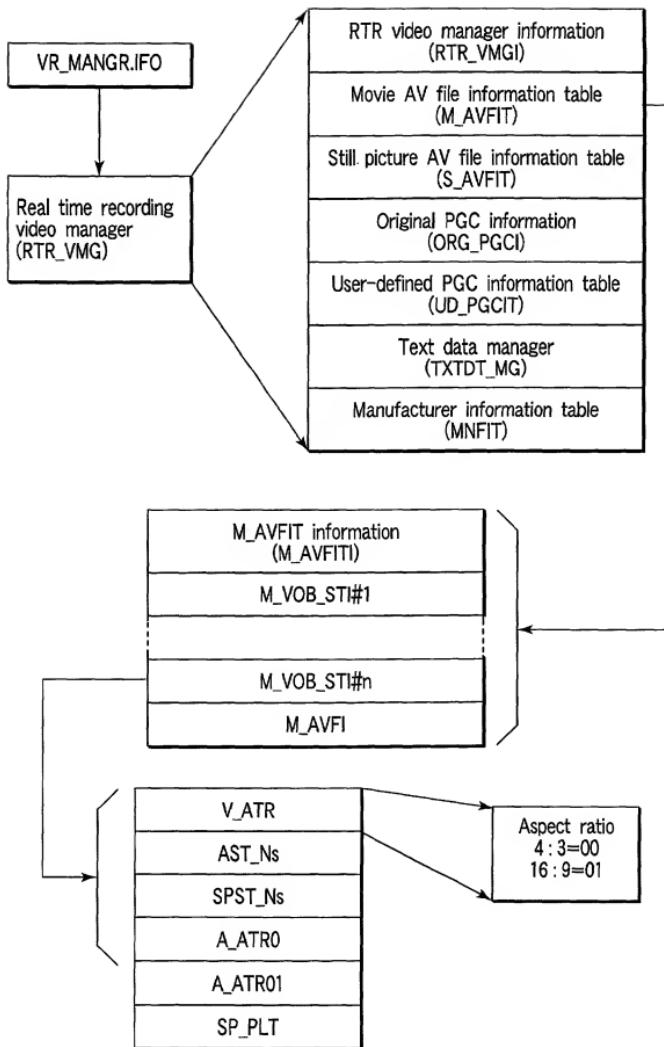


FIG.11

10082256 - 022602



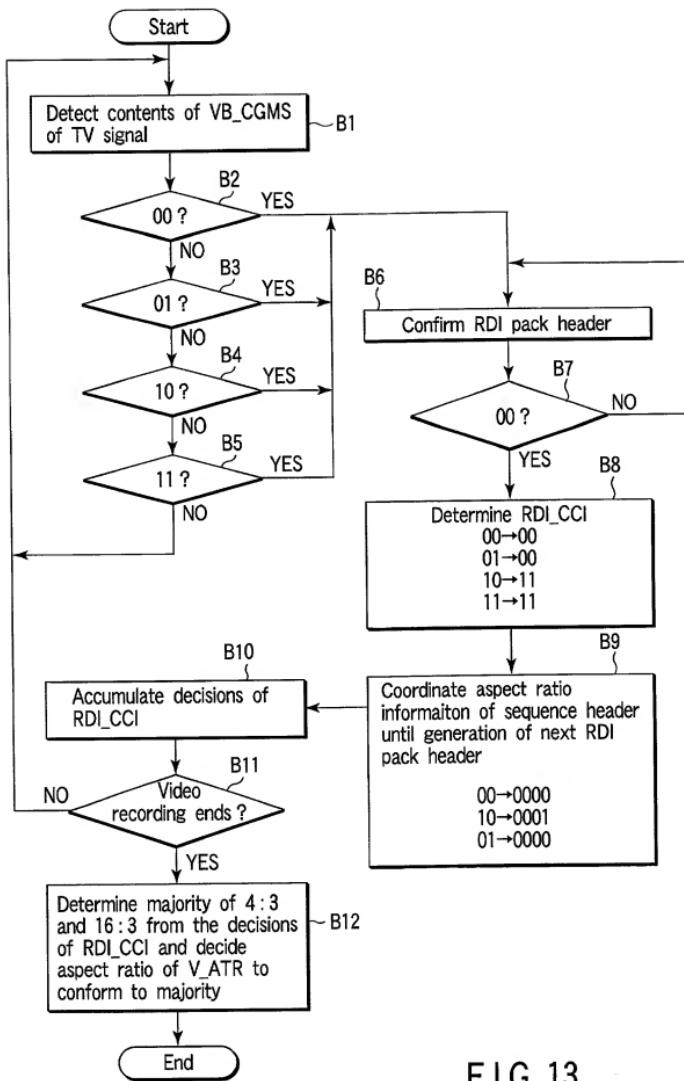


FIG. 13

10082356 - 022602

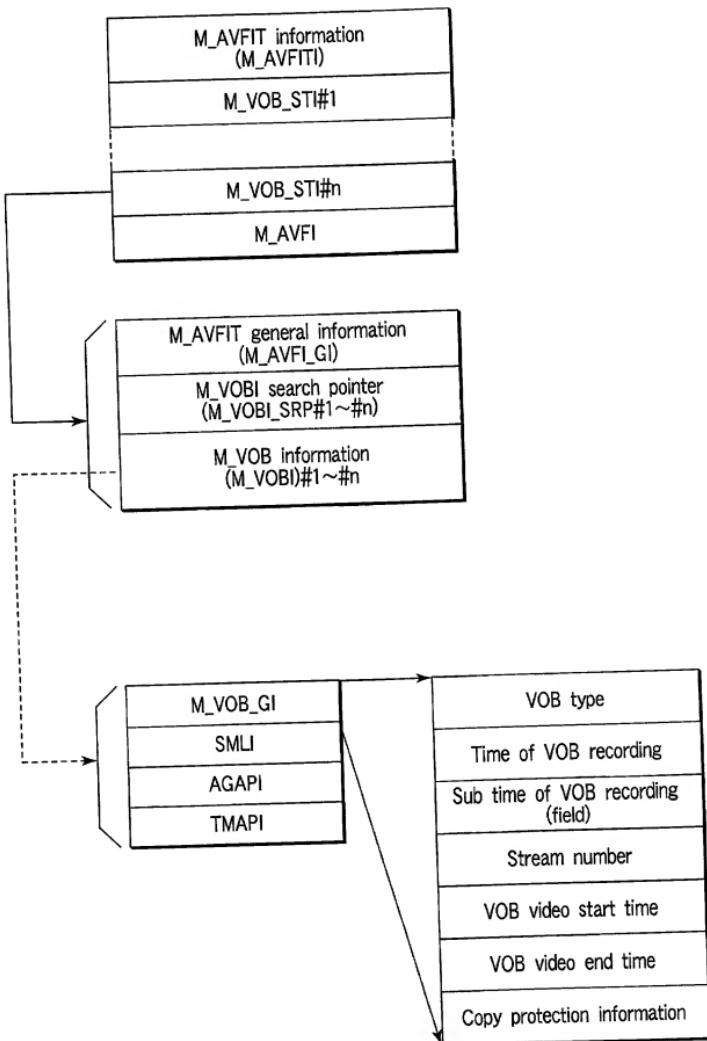


FIG. 14

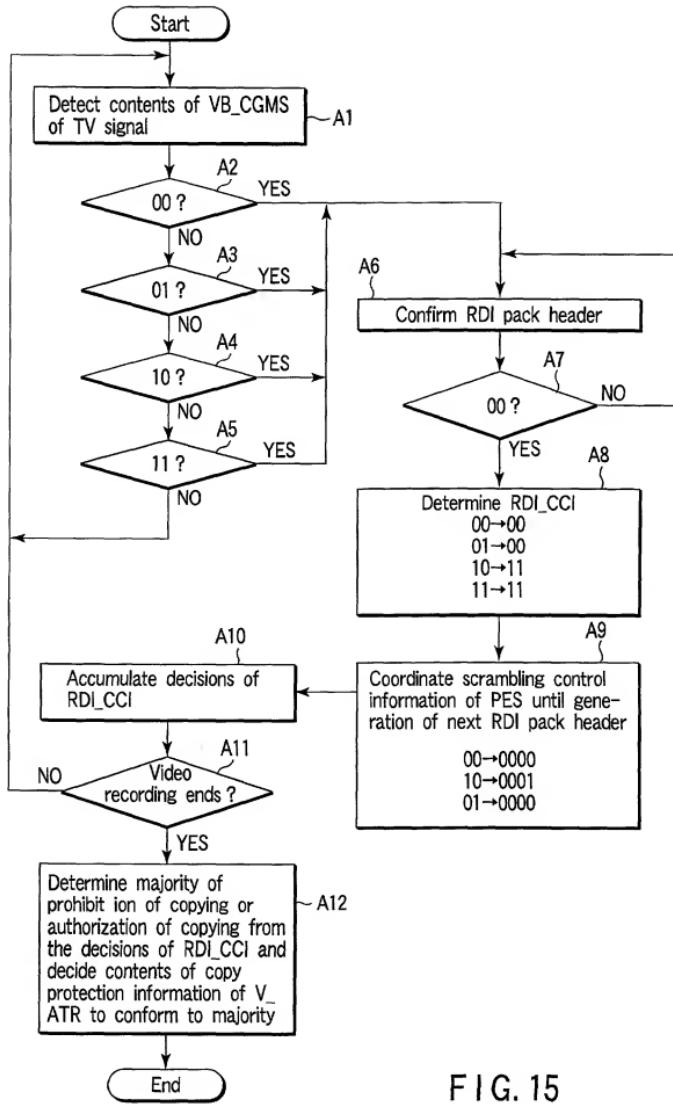


FIG. 15

File configuration

LBN	Descriptor
0~140	Space bit map
141	
142	
143	File entry (route directory)
144	
145	File entry (DVD_RTAV)
146	File identifier descriptor
	File identifier descriptor (VR_MANGR.IFO)
	File identifier descriptor (VR_MANGR.BUP)
	File identifier descriptor (VR_MOVIE.VRO)
	File identifier descriptor (VR_STILL.VRO)
	File identifier descriptor (VR_AUDIO.VRO)
147	File entry (VR_MANGR.IFO)
148	File entry (VR_MANGR.BUP)
149	File entry (VR_MOVIE.VRO)
150	File entry (VR_STILL.VRO)
151	File entry (VR_AUDIO.VRO)

FIG. 16

File entry

Byte position Length (bytes) Field name

0	16	
16	20	

Relative byte position Length (bytes) Field name

0	2	Header check SAM
2	1	CGMS information
3	1	Data structure type
4	4	Protection system information

Bit Description

0-3	Reserved
4-5	CGMS
6	Reserved
7	Copyright material

0 : copying authorized
1 : not in use
2 : copying authorized for once
3 : copying prohibited

FIG. 17

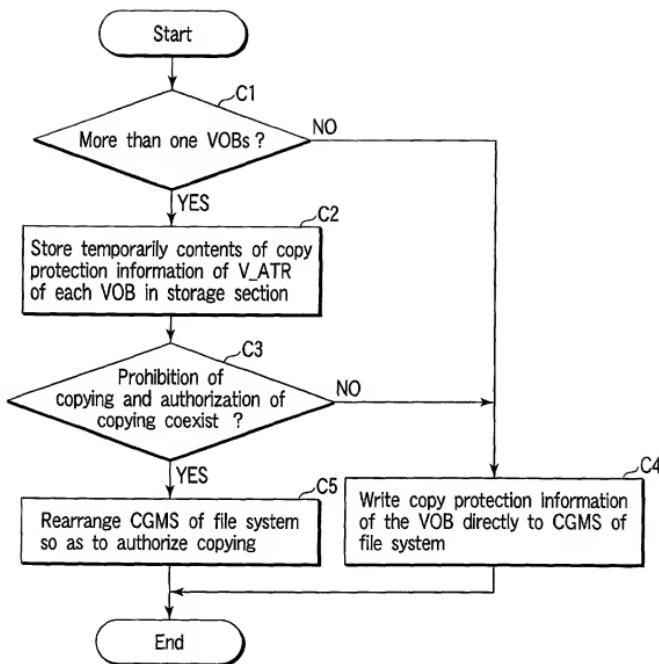


FIG. 18